

Recreation/Senior + Aquatic Center Expansion

Project Update Presentation | May 4, 2017

Project Update



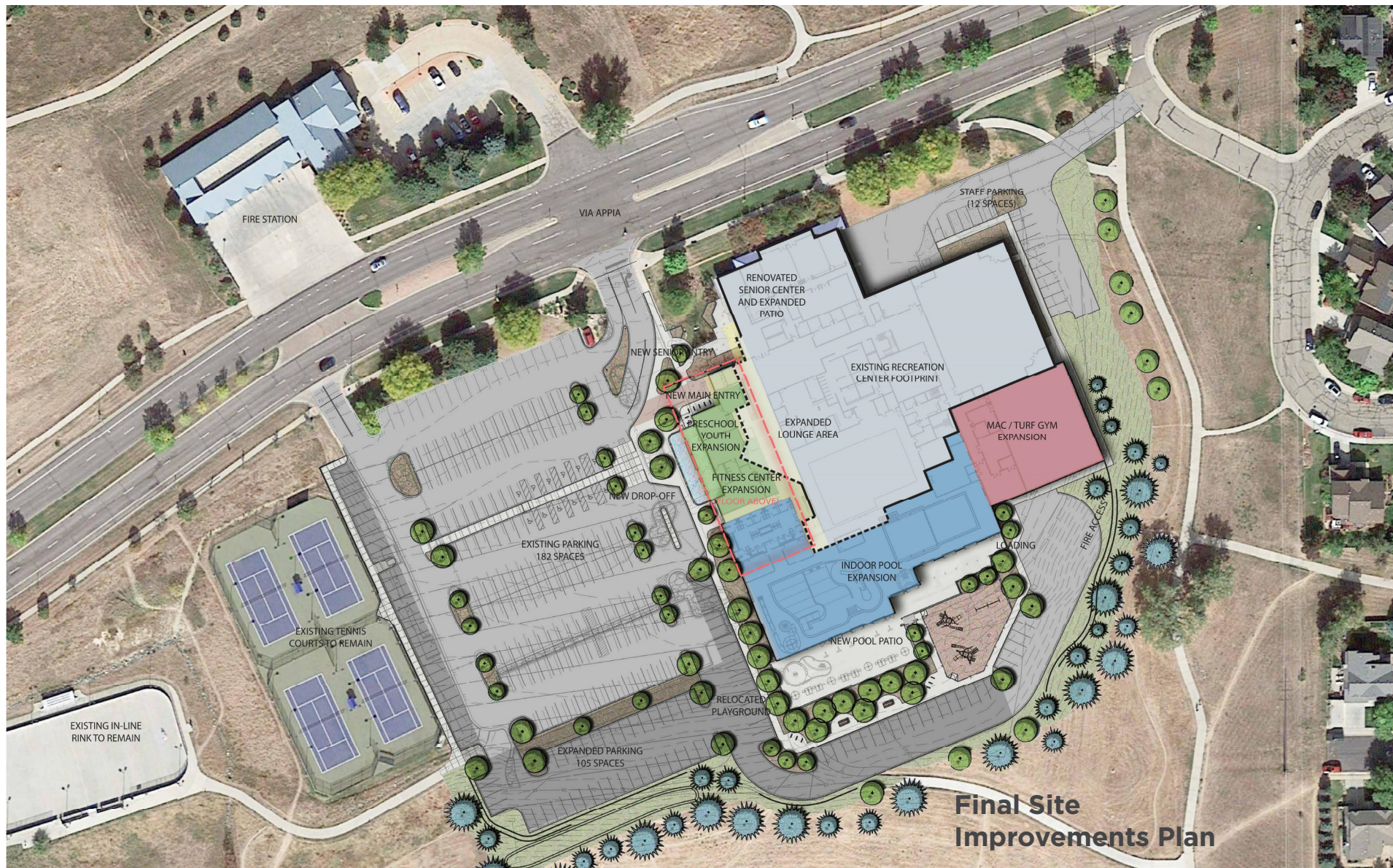
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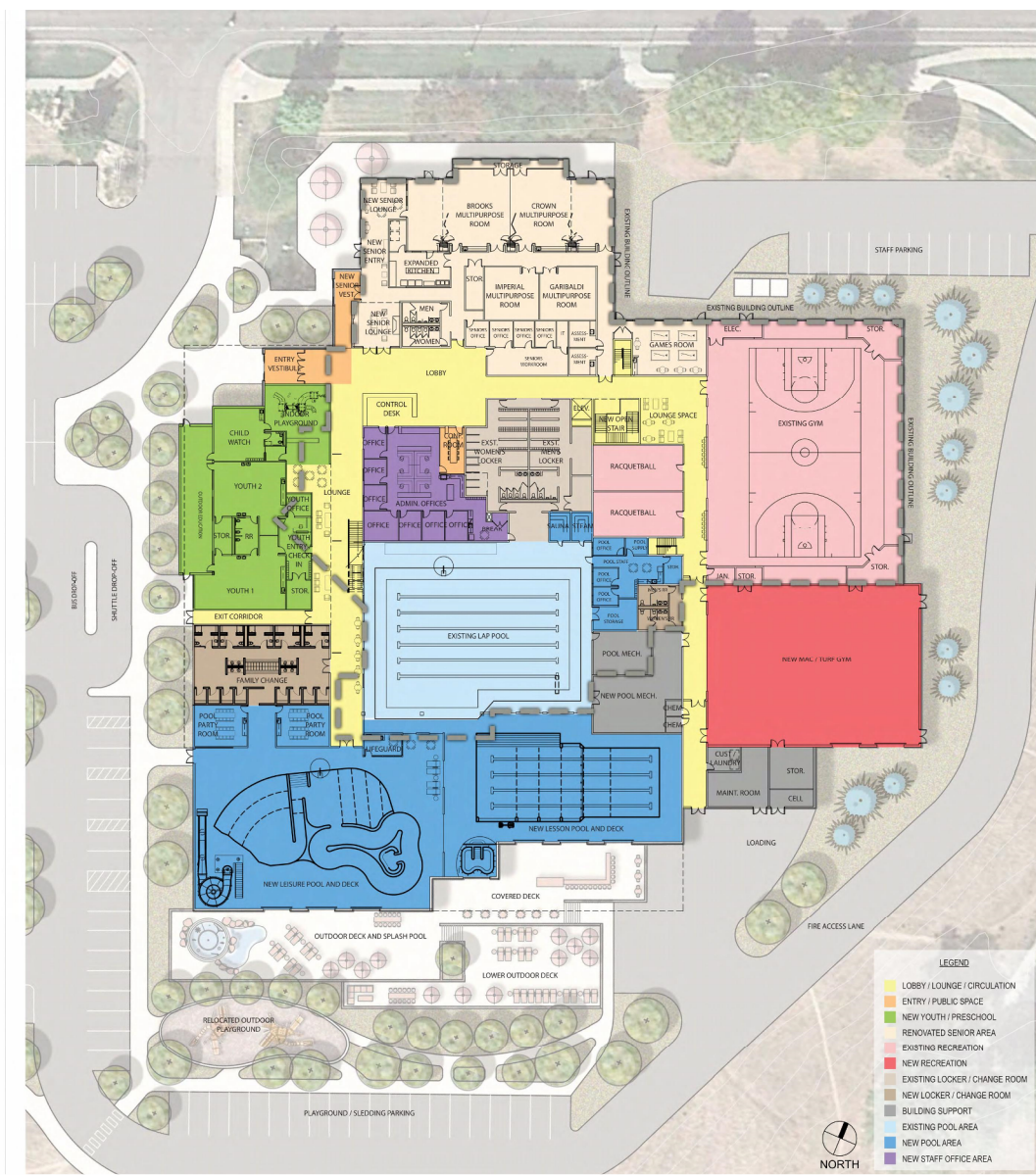
Agenda

Recreation/Senior Center Design Update
Memory Square Design Update
Sustainable Opportunities
Construction Phasing
Project Timeline

Recreation / Senior Center



Architectural site plan of the City of San Jose Community Center. The plan shows a large central building with various rooms including a lobby, multiple multipurpose rooms, a gym, pool areas, and recreational spaces. The building is surrounded by parking lots, playgrounds, and landscaping. A legend in the bottom right corner identifies color-coded areas: yellow for lobby/lounge/circulation, orange for entry/public space, green for new youth/preschool, light green for renovated senior area, pink for existing recreation, red for new recreation, grey for existing locker/change room, brown for new locker/change room, tan for building support, light blue for existing pool area, dark blue for new pool area, and purple for new staff office area. The plan also includes labels for 'NEW SENIOR LOUNGE', 'BROOKS MULTIPURPOSE ROOM', 'CROWN MULTIPURPOSE ROOM', 'IMPERIAL MULTIPURPOSE ROOM', 'GARIBOLDI MULTIPURPOSE ROOM', 'EXIST. GYM', 'NEW GYM', 'EXIST. LAP POOL', 'NEW LESSON POOL AND DECK', 'NEW LEISURE POOL AND DECK', 'OUTDOOR DECK AND SPLASH POOL', 'LOWER OUTDOOR DECK', 'RELOCATED OUTDOOR PLAYGROUND', 'STAFF PARKING', 'EXISTING BUILDING OUTLINE', 'NEW MAINT. / TURF YARD', 'FIRE ACCESS LANE', 'PLAYGROUND / SLEDDING PARKING', 'BUS STOP/SHUTTLE DROP-OFF', and 'RELOCATED OUTDOOR PLAYGROUND'.



Architectural site plan of the New York City Department of Parks and Recreation's 116th Street Branch Library. The plan shows the layout of the existing building and proposed new additions. Key areas include a new gymnasium, a new playground, a new library, and a new community center. The plan also shows the location of existing buildings, parking lots, and landscaping. A legend in the bottom right corner identifies the various elements of the plan.

LEGEND

- LOBBY / LOUNGE / CIRCULATION
- ENTRY / PUBLIC USE
- NEW YOUTH PRESCHOOL
- RENOVATED SENIOR CENTER
- NEW COMMUNITY CENTER
- NEW CREATION
- EXISTING LOCKER / CHANGE ROOM
- NEW LOCKER / CHANGE ROOM
- BUILDING SURFACES
- EXISTING PLAYGROUND
- NEW PLAYGROUND
- NEW STAFF OFFICE AREA



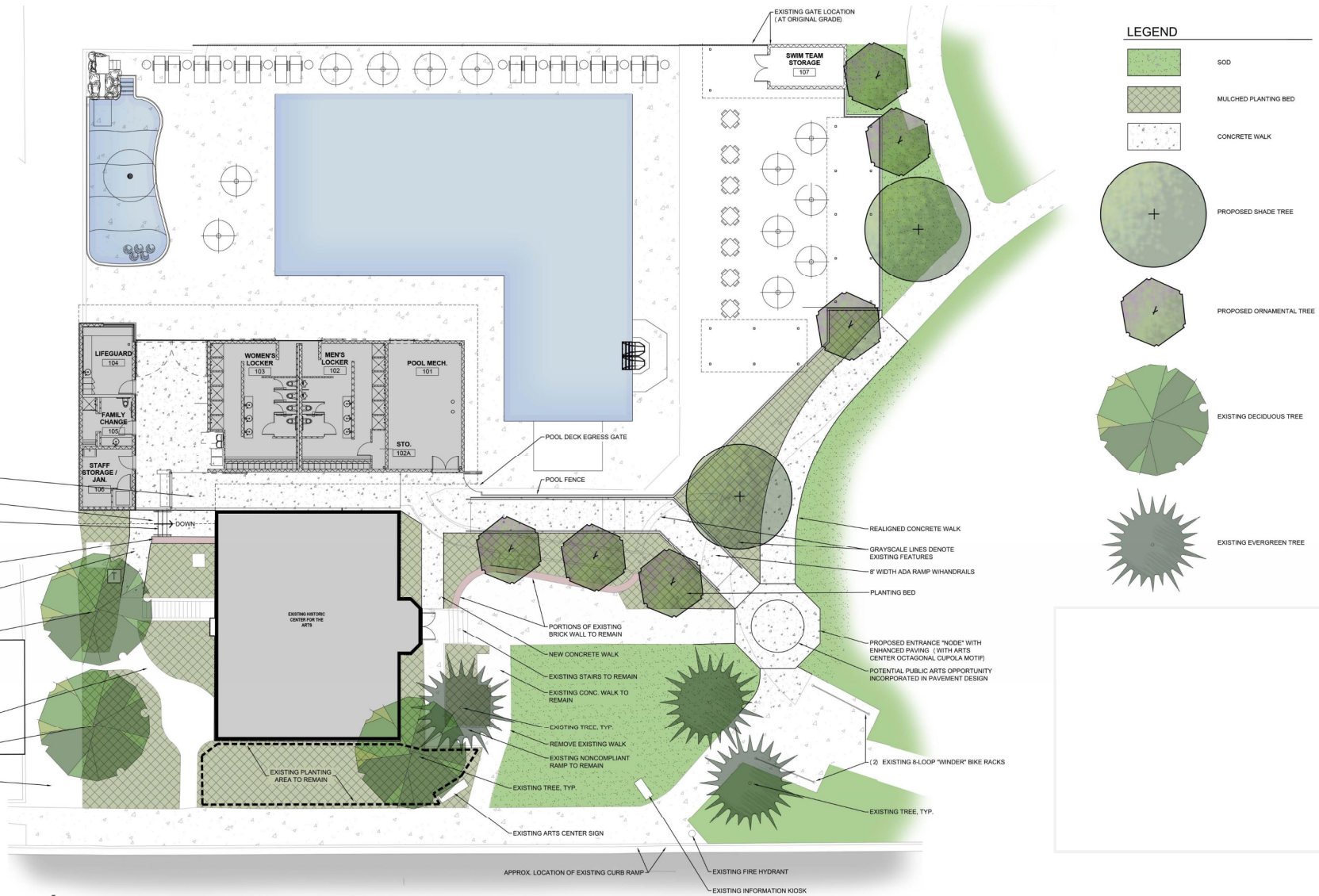


View of New Entry



View of Pool Expansion + Outdoor Patio

Memory Square



Memory Square Site/Floor Plan

View of New Bathhouse + Aquatic Amenities





View to Arts Center + Memory Square Bathhouse

Sustainable Opportunities

Project Goal – Equivalent to LEED Gold

Sustainable Principles

- Site Design
- Water Conservation and Efficiency
- Energy Conservation
- Material and Resources Conservation
- Indoor Environmental Quality and Comfort
- Existing Building Analysis
- Life-Cycle Maintenance and Longevity
- Expectation for a Healthy Environment
- Renewable Energy Opportunities

Benefits of a LEED Gold Building

- High Level of Energy Performance – greater than 30% water savings above ASHRAE
- High Level of Water Conservation – greater than 40% water efficiency
- Resource Conservation – greater than 20% recycled content
- Zero VOCs or other toxins in construction materials
- Building designed to accommodate potential solar roof array or other future renewable options



Strategies Under Evaluation in the Design Process

Sustainable Energy Efficiency Measures

Currently included:

- Limited stormwater, increased water quality
- Highly insulated building envelope
- Low-e glazing
- Daylighting and views
- Low VOC products
- Recycled content products
- Destratifying fans in large volume spaces
- Low flow, automatic plumbing fixtures
- High efficiency mechanical units
- Reduce entire building lighting by 30-50%
- Lighting occupancy sensors
- Regenerative pool filters
- Operational measures – recycling, composting, etc.
- Construction measures – recycle materials, etc.

Under evaluation:

- Add daylighting sensors to auto-dim lighting in areas with significant glass
- Reduce amount of interior and exterior lighting watts/ft
- Direct evaporative cooling in the gymnasium, and new pools
- Solar thermal to heat pool water
- 4-pipe hydronic heating and cooling system
- Microturbines for electrical energy production
- Photovoltaic solar panels for 25%, 50%, 75% and 100% of building power
- Ground source heat pump geothermal system for heating

Process for Energy Efficiency Measure Evaluation

Baseline energy model is complete for use in evaluation.

For Each Energy Efficiency Measure, the Design Team will:

- Estimate construction cost and assess affordability within current budget
- Evaluate both annual energy savings and annual cost savings
- Assess cost of ownership including maintenance and life-cycle replacement
- Calculate simple payback period for each measure
- Evaluate the impact on project schedule

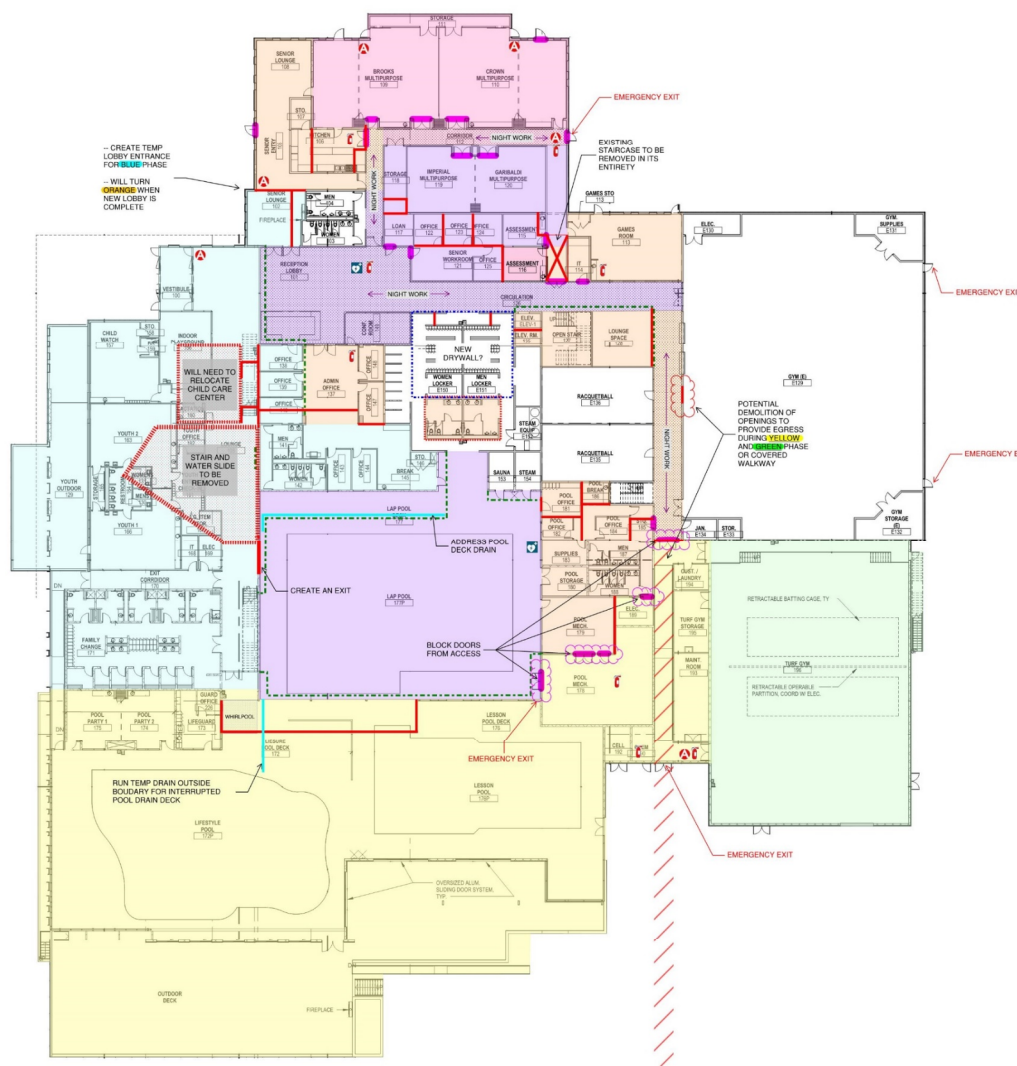
Develop a design case recommendation that combines a package of energy savings measures with the lowest payback period and the most affordable first cost.

Calculate the total energy savings for the entire building over the life cycle.

Determine the amount of budget credit offered by Xcel Energy for the total energy savings projected.

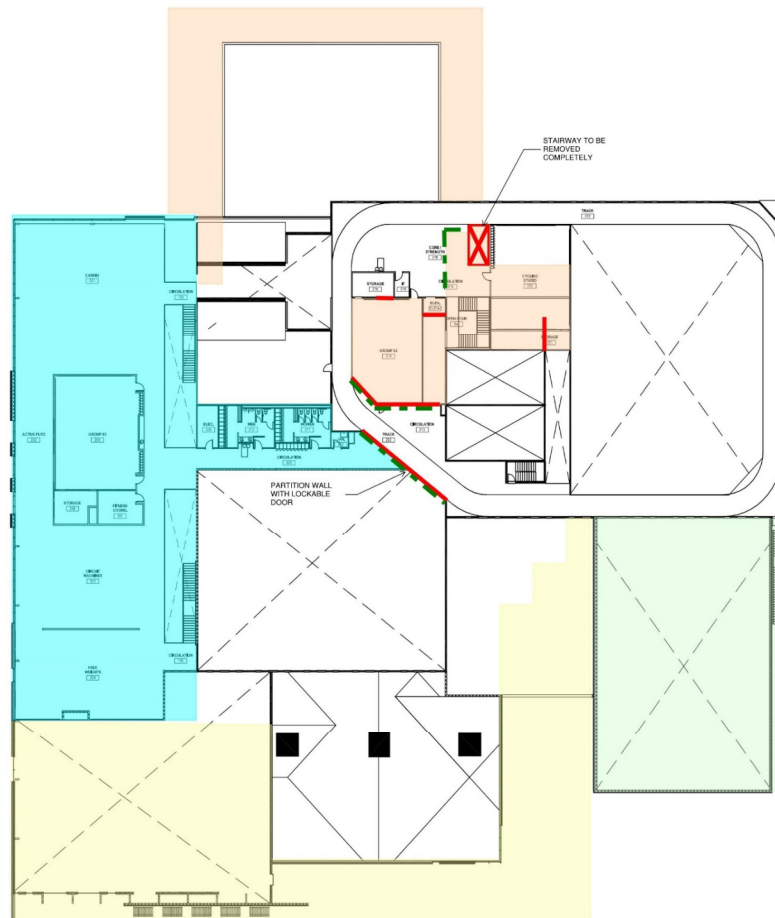
Construction Phasing





- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- CONSTRUCTION LOCKS
- ||||| CONSTRUCTION PARTITION
- WALLS TO BE DEMOLISHED
- / / / POTENTIAL COVERED WALKWAY
- A MANUAL FIRE ALARMS
- F FIRE EXTINGUISHER
- + AED

Recreation/Senior Center Phasing Plan: First Floor



- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6

- CONSTRUCTION PARTITION
- WALLS TO BE DEMOLISHED

**Recreation/Senior Center
Phasing Plan: Second Floor**

Project Timeline

Overall Project Milestones

- January 2017 – Public Presentation
- May 2017 – Public Presentation
- Fall 2017 – Public Presentation

Recreation/Senior Center Project Milestones

- Fall 2017 – Recreation/Senior Center Construction Start
- Fall 2018 – Recreation/Senior Center Construction Complete

Memory Square Project Milestones

- Fall 2017 – Construction Start
- Spring 2018 – Construction Complete

Questions?